

CLAIMS

I claim:

1. A press to straighten axles by hammer blows, comprising:
290 a male jaw having a generally rectangular shape, a mating surface, a
centered half channel upon the lateral axis of said mating surface,
and one or more dowels extending perpendicular to said mating
surface; and,
a female jaw having a generally rectangular shape, a mating surface that
295 abuts on a common plane with said male jaw, a centered half
channel upon the lateral axis of said mating surface, and one or
more holes extending perpendicular and into said mating surface
whereby, aligning said male jaw together with said female jaw, said
dowels fit snugly within said holes and said half channels cooperate
300 to confine an axle.
2. The press of claim 1 wherein said male jaw has two of said dowels with
one of said dowels on each side of said half channel, and said dowels have
a generally cylindrical shape.
3. The press of claim 2 wherein two of said dowels are regularly spaced along
305 a diagonal line of said mating surface proximate to said half channel.
4. The press of claim 1 wherein said female jaw has two of said holes with
one of said holes on each side of said half channel, and said holes have a
generally cylindrical shape matching said dowels.
5. The press of claim 4 wherein two of said holes are regularly spaced along a
310 diagonal of said mating surface matching said dowels.
6. The press of claim 4 wherein said holes extend through the thickness of
said female jaw.
7. The press of claim 2 wherein said dowels extend partially through the
thickness of said male jaw and less than the thickness of said male jaw
315 above said mating surface.
8. The press of claim 2 wherein said dowels have a rounded end opposite said

mating surface.

9. The press of claim 1 wherein said male jaw, said female jaw, and said dowels are made of a material to withstand repeated hammer blows.

10. A press to straighten axles by hammer blows, comprising:
two jaws, each jaw having a generally rectangular shape, a mating surface,
a centered half channel upon the lateral axis of said mating surface,
one dowel extending perpendicular to said mating surface on one
side of said half channel, one hole extending perpendicular and into
said mating surface on the other side of said half channel from said
dowel, whereby, said dowel of one said jaw aligns with said hole of
the other said jaw, said two jaws close together, and said half
channels cooperate to confine an axle.

11. The press of claim 10 wherein said dowel has a generally cylindrical shape
with a rounded end opposite said mating surface and said hole has a
generally cylindrical shape to receive said dowel.

12. The press of claim 11 wherein said dowel extends partially through the
thickness of said jaw and less than the thickness of said jaw above said
mating surface and said hole extends through the thickness of said jaw.

13. The press of claim 10 wherein said dowel and said hole of one said jaw
have a symmetric arrangement along the longitudinal axis of said mating
surface with said dowel and said hole equally spaced away from said half
channel.

14. The press of claim 10 wherein said dowel and said hole of one said jaw are
regularly spaced along a diagonal line of said mating surface with said
dowel and said hole on opposite sides of said half channel.

15. A method of straightening an axle for a model car typically by a child and
his sponsor, the steps comprising:

- 1) cleaning said axle with sandpaper; and,
- 2) marking the head of said axle to track rotation of said axle; and,
- 3) assembling one jaw into the second jaw of a press; and,

- 4) inserting one or more dowels from one jaw into the other and closing the jaws together; and,
- 5) placing said axle into the channel formed between said jaws of said press
- 6) locating said press upon a solid surface and striking a jaw of said press repeatedly with a hammer; and,
- 7) partially rotating said axle at least twice and repeating placement and hammering of the press; and,
- 8) striking said head of said axle to square said head to said axle; and,
- 9) removing said axle from said press and polishing said axle as desired.

16. The method of straightening an axle for a model car of claim 15 further comprising:

assembling a male jaw having two dowels into a female jaw having two matching holes whereby, said dowels fit into said holes.